

Erie Insurance Company, Flagship City Insurance Company, and Erie Family Life Insurance Company (collectively, “Erie” or “Defendants”); and allege as follows:

I. NATURE OF THE SUIT

1. This is a claim for patent infringement arising under the patent laws of the United States, Title 35 of the United States Code.

II. THE PARTIES

2. Plaintiff **Intellectual Ventures I LLC** (“Intellectual Ventures I”) is a Delaware limited liability company having its principal place of business located at 3150 139th Avenue Southeast, Bellevue, Washington 98005.

3. Plaintiff **Intellectual Ventures II LLC** (“Intellectual Ventures II”) is a Delaware limited liability company having its principal place of business located at 3150 139th Avenue Southeast, Bellevue, Washington 98005.

4. Defendant **Erie Indemnity Company** is a corporation organized and existing under the laws of the Commonwealth of Pennsylvania and maintaining its principal place of business at 100 Erie Insurance Place, Erie, Pennsylvania 16530. Erie Indemnity Company may be served through its Officers and/or Directors at 100 Erie Insurance Place, Erie, Pennsylvania 16530.

5. Defendant **Erie Insurance Exchange** is a commercial insurance provider formed as an unincorporated association in the Commonwealth of Pennsylvania and maintaining its principal place of business at 100 Erie Insurance Place, Erie, Pennsylvania 16530.

6. Defendant **Erie Insurance Property & Casualty Company** is a corporation organized and existing under the laws of the Commonwealth of Pennsylvania and maintaining its principal place of business at 100 Erie Insurance Place, Erie, Pennsylvania 16530. Erie Insurance

Property & Casualty Company may be served at its registered office address at 100 Erie Insurance Place, PO Box 1699, Erie, Pennsylvania 16530.

7. Defendant **Erie Insurance Company** is a corporation organized and existing under the laws of the Commonwealth of Pennsylvania and maintaining its principal place of business at 100 Erie Insurance Place, Erie, Pennsylvania 16530. Erie Insurance Company may be served at its registered office address at 100 Erie Insurance Place, Erie, Pennsylvania 16530.

8. Defendant **Flagship City Insurance Corporation** is a corporation organized and existing under the laws of the Commonwealth of Pennsylvania and maintaining its principal place of business at 100 Erie Insurance Place, Erie, Pennsylvania, 16530. Flagship City Insurance Corporation may be served at its registered office address at 100 Erie Insurance Place, PO Box 1699, Erie, Pennsylvania 16530.

9. Defendant **Erie Family Life Insurance Company** is a corporation organized and existing under the laws of the Commonwealth of Pennsylvania and maintaining its principal place of business at 100 Erie Insurance Place, Erie, Pennsylvania, 16530. Erie Family Life Insurance Company may be served at its registered office address at 144 East 6th Street, Erie, Pennsylvania 16530.

III. JURISDICTION AND VENUE

10. This action arises under the patent laws of the United States, Title 35 of the United States Code. Thus, this Court has subject matter jurisdiction pursuant to 28 U.S.C. §§ 1331 and 1338(a).

11. This Court has specific personal jurisdiction over each Defendant pursuant to due process and the Pennsylvania Long Arm Statute because each Defendant resides in this District. Additionally, each Defendant, directly or through intermediaries, has conducted and conducts

substantial business in this forum, including but not limited to: (i) engaging in at least part of the infringing acts alleged herein; (ii) purposefully and voluntarily placing one or more infringing products or services into the stream of commerce with the expectation that they will be purchased by consumers in this forum; and/or (iii) regularly doing or soliciting business, engaging in other persistent courses of conduct, or deriving substantial revenue from goods and services provided to individuals in Pennsylvania and in this District.

12. Venue is proper in this Court under 28 U.S.C. §§ 1391(b)–(d) and 1400(b) for the reasons set forth above.

IV. BACKGROUND

13. Intellectual Ventures was founded in 2000 on the fundamental premise that inventions are valuable. Since its founding, Intellectual Ventures has built on this premise by working to ensure that a market for invention continues to thrive. Intellectual Ventures creates inventions and files patent applications for those inventions; collaborates with others to develop and patent inventions; and acquires and licenses patents from individual inventors, universities and other institutions. A significant aspect of Intellectual Ventures' business is managing the Plaintiffs in this case, Intellectual Ventures I and II.

14. Intellectual Ventures' business includes purchasing important inventions from individual inventors and institutions and then licensing the inventions to those who need them. Through this business, Intellectual Ventures allows inventors to reap a financial reward from their innovations, which is frequently difficult for individual inventors to do. To date, Intellectual Ventures has acquired more than 70,000 IP assets and, in the process, has paid individual inventors more than half a billion dollars for their inventions. Intellectual Ventures has over \$6 billion in committed capital for inventions in over 50 technology areas. Intellectual

Ventures, in turn, has earned more than \$3 billion by licensing these patents to some of the world's most innovative and successful technology companies who continue to use them to make computer equipment, software, semiconductor devices, and a host of other products.

15. Intellectual Ventures also creates inventions. Intellectual Ventures has a staff of scientists and engineers who develop ideas in a broad range of fields, including agriculture, computer hardware, life sciences, medical devices, semiconductors, and software. Intellectual Ventures has invested millions of dollars developing such ideas and files hundreds of patent applications on its inventions every year, making it one of the top patent filers in the world. Intellectual Ventures has also invested in laboratory facilities to assist with the development and testing of new ideas.

16. Intellectual Ventures also invents by collaborating with inventors and research institutions around the world. For example, Intellectual Ventures has developed inventions by selecting a technical challenge, requesting proposals for inventions to solve the challenge from inventors and institutions, selecting the most promising ideas, rewarding the inventors and institutions for their contributions, and filing patent applications on the ideas. Intellectual Ventures has invested millions of dollars in this way and has created a network of more than 4,000 inventors worldwide.

17. This cause of action asserts infringement of patents that Plaintiffs acquired as part of its effort to create an efficient market for inventions. This case involves United States Patent No. 6,519,581 B1, entitled "Collection of Information Regarding a Device or a User of a Device Across a Communication Link" (the "'581 Patent"); United States Patent No. 6,546,002 B1, entitled "System and Method for Implementing an Intelligent and Mobile Menu-Interface Agent" (the "'002 Patent"); United States Patent No. 6,510,434 B1, entitled "System and Method for

Retrieving Information From a Database Using an Index of XML Tags and Metafiles” (the “’434 Patent”); and United States Patent No. 7,757,298, entitled “Method and Apparatus for Identifying and Characterizing Errant Electronic Files” (the “’298 Patent”) (collectively, the “Patents-in-Suit”).

18. On February 11, 2003, the ’581 Patent was duly and lawfully issued by the PTO. A copy of the ’581 Patent is attached hereto as Exhibit A.

19. On April 8, 2003, the ’002 Patent was duly and lawfully issued by the PTO. A copy of the ’002 Patent is attached hereto as Exhibit B.

20. On January 21, 2003, the ’434 Patent was duly and lawfully issued by the PTO. A copy of the ’434 Patent is attached hereto as Exhibit C.

21. On July 13, 2010, the ’298 Patent was duly and lawfully issued by the PTO. A copy of the ’298 Patent is attached hereto as Exhibit D.

22. Intellectual Ventures I is the owner and assignee of all right, title, and interest in and to the ’581, ’434, and ’298 Patents and holds the right to sue and recover damages for infringement thereof, including past damages.

23. Intellectual Ventures II is the owner and assignee of all right, title, and interest in and to the ’002 Patent and holds the right to sue and recover damages for infringement thereof, including past damages.

24. Erie Indemnity Company (“Indemnity”) is a publicly-held Pennsylvania business corporation that is the managing attorney-in-fact for the subscribers (policyholders) at the Erie Insurance Exchange (“Exchange”). The Exchange is a subscriber-owned Pennsylvania-domiciled reciprocal insurer that writes property and casualty insurance. Indemnity’s primary function is to perform certain services for the Exchange relating to the sales, underwriting, and

issuance of policies on behalf of the Exchange. The property and casualty and life insurance operations are owned by the Exchange, and Indemnity functions as the management company. Indemnity, the Exchange, and its subsidiaries and affiliates, which include Erie Insurance Property & Casualty Company, Erie Insurance Company, Erie Family Life Insurance Company, and Flagship City Insurance Company operate collectively as the “Erie Insurance Group.”

25. Defendants provide online services and other systems via electronic means, including, but not limited to, the web site <https://www.erieinsurance.com>. Additionally, Defendants use and maintain computer systems and software in the course of their business, including, but not limited to, the provision of online services. In connection with these online services and other systems, Defendants infringe one or more claims of the '581 Patent, the '434 Patent, the '002 Patent, and the '298 Patent.

26. On August 21, 2014 Intellectual Ventures notified Defendants via letter that it would commence the filing of this suit accusing Defendants of infringing the Patents-in-Suit.

27. As detailed in that letter, Intellectual Ventures contacted Defendants on numerous occasions beginning in June 2014. Defendants never responded to Intellectual Ventures' licensing overtures, forcing the filing of this suit.

28. By the filing and serving of this Original Complaint for Patent Infringement, Intellectual Ventures has again given Defendants written notice of their infringement.

COUNT I—Infringement of the '581 Patent

29. The allegations of paragraphs 1–28 above are incorporated by reference as if fully set forth herein.

30. Defendants have directly infringed and continue to infringe at least claim 1 of the '581 Patent in violation of 35 U.S.C. § 271(a) by making, using, selling, and/or offering to sell in

the United States, without Intellectual Ventures I's authority, their computer systems that use the patented systems and methods for configuration management. By way of example only and without limiting Intellectual Ventures I's claims to this specific example, Defendants' implementation and use of its back-end configuration management and distribution software and services infringes at least claim 1 of the '581 Patent.

31. Intellectual Ventures I has been injured and seeks damages to adequately compensate it for Defendants' infringement of the '581 Patent. Such damages should be no less than the amount of a reasonable royalty under 35 U.S.C. § 284.

32. Defendants will continue to infringe the '581 Patent unless enjoined by this Court. Intellectual Ventures I therefore requests that this Court enter an order under 35 U.S.C. § 283 preliminarily and permanently enjoining Defendants from continuing to make, use, sell, offer to sell, and/or import into the United States the products and processes accused of infringing the '581 Patent and from further infringement, contributory infringement and/or inducing infringement of the '581 Patent.

COUNT II—Infringement of the '002 Patent

33. The allegations of paragraphs 1–28 above are incorporated by reference as if fully set forth herein.

34. Erie Indemnity Company, Erie Insurance Exchange, Erie Insurance Company, Erie Insurance Property & Casualty Company, and Flagship City Insurance Company have directly infringed and continue to infringe at least claim 9 of the '002 Patent in violation of 35 U.S.C. § 271(a) by making, using, selling, and/or offering to sell in the United States, without Intellectual Ventures II's authority, their computer systems that use the patented systems and methods for displaying user-specific resources on a mobile interface. By way of example only

and without limiting Intellectual Ventures II's claims to this specific example, Defendants' implementation and use of its ERIEmobile application infringes at least claim 11 of the '002 Patent.

35. Intellectual Ventures II has been injured and seeks damages to adequately compensate it for Defendants' infringement of the '002 Patent. Such damages should be no less than the amount of a reasonable royalty under 35 U.S.C. § 284.

36. Defendants will continue to infringe the '002 Patent unless enjoined by this Court. Intellectual Ventures II therefore requests that this Court enter an order under 35 U.S.C. § 283 preliminarily and permanently enjoining Defendants from continuing to make, use, sell, offer to sell, and/or import into the United States the products and processes accused of infringing the '002 Patent and from further infringement, contributory infringement and/or inducing infringement of the '002 Patent.

COUNT III—Infringement of the '434 Patent

37. The allegations of paragraphs 1–28 above are incorporated by reference as if fully set forth herein.

38. Defendants have directly infringed and continue to infringe at least claim 9 of the '434 Patent in violation of 35 U.S.C. § 271(a) by making, using, selling, and/or offering to sell in the United States, without Intellectual Ventures I's authority, their computer systems that use the patented systems and methods for searching databases with metafiles. By way of example only and without limiting Intellectual Ventures I's claims to this specific example, Defendants' implementation and use of database services and systems that return information based on the content of metafiles infringes at least claims 1 and 7 of the '434 Patent.

39. Intellectual Ventures I has been injured and seeks damages to adequately compensate it for Defendants' infringement of the '434 Patent. Such damages should be no less than the amount of a reasonable royalty under 35 U.S.C. § 284.

40. Defendants will continue to infringe the '002 Patent unless enjoined by this Court. Intellectual Ventures I therefore requests that this Court enter an order under 35 U.S.C. § 283 preliminarily and permanently enjoining Defendants from continuing to make, use, sell, offer to sell, and/or import into the United States the products and processes accused of infringing the '434 Patent and from further infringement, contributory infringement and/or inducing infringement of the '434 Patent.

COUNT IV—Infringement of the '298 Patent

41. The allegations of paragraphs 1–28 above are incorporated by reference as if fully set forth herein.

42. Defendants have directly infringed and continue to infringe at least claim 1 of the '298 Patent in violation of 35 U.S.C. § 271(a) by making, using, selling, and/or offering to sell in the United States, without Intellectual Ventures I's authority, their computer systems that use the patented systems and methods for identifying and characterizing errant electronic files. By way of example only and without limiting Intellectual Ventures I's claims to this specific example, Defendants' implementation and use of software and services that search and identify potentially malicious information infringes at least claim 1 of the '298 Patent.

43. Intellectual Ventures I has been injured and seeks damages to adequately compensate it for Defendants' infringement of the '298 Patent. Such damages should be no less than the amount of a reasonable royalty under 35 U.S.C. § 284.

44. Defendants will continue to infringe the '002 Patent unless enjoined by this Court. Intellectual Ventures I therefore requests that this Court enter an order under 35 U.S.C. § 283 preliminarily and permanently enjoining Defendants from continuing to make, use, sell, offer to sell, and/or import into the United States the products and processes accused of infringing the '298 Patent and from further infringement, contributory infringement and/or inducing infringement of the '298 Patent.

JURY DEMAND

45. Plaintiffs request a jury trial of all issues triable of right by a jury.

PRAYER FOR RELIEF

WHEREFORE, Intellectual Ventures respectfully requests the following relief:

- a. A judgment in favor of Intellectual Ventures that each Defendant has infringed the '581, '434, '002, and '298 Patents, whether literally or under the doctrine of equivalents, as described herein;
- b. A judgment and order requiring each Defendant to pay Intellectual Ventures its damages, costs, expenses, and pre-judgment and post-judgment interest for each Defendant's infringement of the '581, '434, '002, and '298 Patents as provided under 35 U.S.C. § 284, including supplemental damages for any continuing post-verdict or post-judgment infringement with an accounting as needed;
- c. An order under 35 U.S.C. § 283 preliminarily and permanently enjoining Defendants from continuing to make, use, sell, offer to sell, and/or import into the United States the products and processes accused of infringing the Patents-in-Suit and from further infringement, contributory infringement and/or inducing infringement of the Patents-in-Suit; and
- d. Such other and further relief as the Court deems just and proper.

Respectfully submitted,

/s/ Henry M. Sneath

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